

Top 20 Chemicals with Largest TRI On-site and Off-site Disposal or Other Releases, 2002: Paper Products (SIC 26)

CAS Number Chemical	On-site Disposal or Other Releases															Total On-site Disposal or Other Releases Pounds	Total Off-site Disposal or Other Releases Pounds	Total On-site and Off-site Disposal or Other Releases Pounds	
	On-site Disposal to Class I Underground Injection				Other On-site Disposal or Other Releases														
	RCRA																		Total On-site Disposal or Other Releases Pounds
	Subtitle C		Other On- site Landfills	Subtotal	Fugitive Air Emissions	Point Source Air Emissions	Surface Water Discharges	Class II-V Wells	Land Treatment	Surface Impoundment	Other Land Disposal	Subtotal							
	Class I Wells	Landfills											Pounds	Pounds	Pounds				
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds		
67-56-1 Methanol	0	0	281,571	281,571	7,043,667	76,387,577	3,462,629	0	195,920	377,829	6,948	87,474,569	87,756,140	47,948	87,804,088				
7664-41-7 Ammonia	0	0	5,724	5,724	1,276,643	13,059,256	1,523,044	0	4,812	3,345	0	15,867,100	15,872,824	83,814	15,956,638				
7647-01-0 Hydrochloric acid	0	0	0	0	8,032	14,811,693	0	0	0	0	0	14,819,725	14,819,725	0	14,819,725				
-- Manganese compounds	0	0	6,495,919	6,495,919	440	144,633	3,851,066	0	483,198	1,193,448	225,799	5,898,584	12,394,503	1,713,273	14,107,775				
108-88-3 Toluene	0	0	0	0	1,450,240	6,699,101	11	0	0	8,149,352	0	8,149,352	8,149,352	47,619	8,196,971				
7664-93-9 Sulfuric acid	0	0	0	0	598	7,694,267	0	0	0	0	0	7,694,865	7,694,865	0	7,694,865				
75-07-0 Acetaldehyde	0	0	8,241	8,241	1,436,806	5,466,029	287,102	0	1,123	2,174	5	7,193,239	7,201,480	1,317	7,202,797				
-- Nitrate compounds	0	0	2,801	2,801	5	5	5,994,658	0	4,099	567	0	5,999,334	6,002,135	2,786	6,004,921				
-- Zinc compounds	0	0	2,999,182	2,999,182	564	221,740	293,594	0	81,020	430,041	2,180	1,029,139	4,028,321	1,019,683	5,048,004				
-- Barium compounds	0	0	1,522,755	1,522,755	0	95,316	319,223	0	82,686	545,683	62,252	1,105,160	2,627,915	771,718	3,399,633				
78-93-3 Methyl ethyl ketone	0	0	2,472	2,472	308,757	1,442,074	31,394	0	33	1,616	0	1,783,873	1,786,346	4,142	1,790,487				
50-00-0 Formaldehyde	0	0	3,607	3,607	29,120	1,494,817	201,309	0	707	6,201	0	1,732,155	1,735,762	12,624	1,748,386				
1319-77-3 Cresol (mixed isomers)	0	0	702	702	9,275	967,766	953	0	2	40	0	978,035	978,737	282	979,020				
108-95-2 Phenol	0	0	1,808	1,808	13,850	874,558	11,987	0	47	5,573	0	906,015	907,823	7,369	915,192				
75-15-0 Carbon disulfide	0	0	0	0	15,848	876,824	7,350	0	0	0	0	900,022	900,022	0	900,022				
107-21-1 Ethylene glycol	0	0	68	68	191,058	466,920	17,700	0	0	0	0	675,677	675,745	7,675	683,420				
67-66-3 Chloroform	0	0	9,143	9,143	250,402	401,232	4,016	0	29	255	0	655,934	665,077	488	665,564				
7439-96-5 Manganese	0	0	454,456	454,456	0	11,084	48,148	0	0	31,831	0	91,063	545,519	8,930	554,449				
-- Vanadium compounds	0	0	149,261	149,261	250	32,048	46,591	0	3,663	122,068	2,015	206,635	355,896	90,403	446,299				
-- Lead compounds	0	0	164,625	164,625	14	26,972	19,681	0	5,511	42,681	1,018	95,878	260,503	166,953	427,455				

Note: This information does not indicate whether (or to what degree) the public has been exposed to toxic chemicals. Therefore, no conclusions on the potential risks can be made based solely on this information (including any ranking information). For more detailed information on this subject refer to *The Toxics Release Inventory (TRI) and Factors to Consider When Using TRI Data* document at www.epa.gov/tri/tridata/index.htm#pdr.

On-site Disposal or Other Releases include Underground Injection to Class I Wells (Section 5.4.1), RCRA Subtitle C Landfills (5.5.1A), Other Landfills (5.5.1B), Fugitive or Non-point Air Emissions (5.1), Stack or Point Air Emissions (5.2), Surface Water Discharges (5.3), Class II-V Wells (5.4.2), Land Treatment (5.5.2), Surface Impoundments (5.5.3) and Other Land Disposal (5.5.4). Off-site Disposal or Other Releases include from Section 6.2 Underground Injection (M71), RCRA Subtitle C Landfills (M65), Other Landfills (M64, M72), Storage Only (M10), Solidification/Stabilization - Metals and Metal Category Compounds only (M41 or M40), Wastewater Treatment (excluding POTWs) - Metals and Metal Category Compounds only (M62 or M61), Surface Impoundments (M63), Land Treatment (M73), Other Land Disposal (M79), Other Off-site Management (M90), Transfers to Waste Broker - Disposal (M94, M91), and Unknown (M99) and, from Section 6.1 Transfers to POTWs (metals and metal category compounds only).

Does not include Off-site Disposal or Other Releases transferred to other TRI facilities that reported the amounts as on-site disposal or other releases.

Facilities/forms are included in the manufacturing industry categories (SIC Codes 20-39) if they did not report a SIC code in the other industries. Forms that reported more than one 2-digit SIC code within the range 20 to 39 are assigned to the "multiple codes" category. Facilities/forms are included in the other industry categories if the facility/form has a SIC code in the other industries and no SIC code in 20-39. If the facility reported in any year prior to 1998 and the facility/form has a combination of manufacturing and other industry SIC codes, then the facility/form is included in the manufacturing industry category. If the facility reported for the first time in 1998 or later and the facility/form has a combination of manufacturing and other industry SIC codes, then the facility/form is included in the other industry category. Forms with no 2-digit SIC code are included in the "no codes" category. One facility, Phelps Dodge Miami of Claypool, AZ, that reported under SIC code 33 and SIC code 10 in 2002 and previous years have been included in SIC code 10 for the purpose of this analysis.